

## ABSTRACT

Plants, soils, seeds or seed pieces of agricultural or horticultural value are treated before,  
5 during, or after planting with a peptide-polysaccharide complex. This composition, a  
solution or dry flowable powder peptide-polysaccharide complex, is used as a plant, soil,  
seed or seed piece treatment for commercial crops to enhance germination, emergence,  
root mass development, plant growth crop maturity and ultimately increase crop yield.  
Methods of preparation and methods of use of the peptide-polysaccharide complex are  
10 provided.